

DEVAL L, PATRICK GOVERNOR TIMOTHY P, MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY JOHN AUERBACH

COMMISSIONER

# The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

01/13/2011

Sulynn Walton Assistant District Attorney, Suffolk County

Dear ADA Walton,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Annie Dookhan & Peter Piro.
- 3. Control Cards with analytical results for samples #
- 4. Analysis sheets with chemist's hand notations and test results.
- 5. GC/Mass Spectral analytical data for samples #

I, Annie Dookhan, was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely

Annie Khan (Dookhan)

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631



# **DRUG RECEIPT**

District/Unit DOU DIN

CC #	
воок#	
PAGE #	
DESTRUCTION #	
100 to 10	

DEFENDANT'S NAME	ADD	PRESS	CITY	STATE
				Mø
			LAB US	E ONLY
DESCRIPTION OF ITEMS SUBMIT	-	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
PORTING OF AN BRANCES	PILL PR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,68	
	ı		11409	_
				, , , , , , , , , , , , , , , , , , , ,
		·		
	-			

To be completed by ECU personnel only	0)		,
Name and Rank of Submitting Officer	Span	Zy	ID# <u>9300</u>
Received by	20		Date 5-12-10
			ECU Control #

#### Curriculum Vitae

### Annie Khan (Dookhan)

#### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry. University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

# Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.
- \*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \* Responsible for the Quality Control/Quality Assurance program for the drug lab.
- \*Notary Public.
- \*Oualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

OC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and EDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

## Additional Training:

Dept. of Justice - Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

OC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

### Peter Piro

# **EDUCATION**

Boston Unversity
B.A. in Chemistry and Minor in Biology, 1989
HONORS

Magna Cum Laude, 3.6 GPA Graduated with Distinction in Chemistry Valedictorian of the Chemistry Department

## **EXPERIENCE**

# Department of Public Health/State Laboratory Institute

Laboratory Supervisor I/Chemist III, II, II/ Assistant Analyst December 1991-Present Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Train staff and coordinate schedules. Analyze controlled substances for State and Federal law enforcement agencies. Develop, oversee, and make improvements to the GC/MS laboratory's quality assurance/quality control (QA/QC) program. Serve as the Technical Supervisor of the Drug Analysis Laboratory. Responsible for planning and implementing Quality Improvement (QI) projects. Make recommendations for protocols and procedures by developing methods so work can be performed in an accurate and efficient manner. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

# Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991 Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank using cELISA and bioassays.

### TRAINING AND ORGANIZATIONS

- \* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- \* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- \* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27<sup>th</sup> 1995 and a member of the Massachusetts Organization of State Engineers and Scientists.
- \* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- \* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25<sup>th</sup> 2002, at Agilent Technologies.\* Notary Public since 1993.

No.

Date Analyzed: 9-7-10

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def:

Amount:

1.0 1

Cont: pb

Date Rec'd: 05/12/2010

Gross Wt.:

No. Cont:

1.68

No. Analyzed:

Net Weight: 6 06

#Tests: LASO QP.P.D Upranoiphine

Subst: BRKN TAB

Findings:

# DRUG POWDER ANALYSIS FORM

No. of samples tested:	SHED ANALYST DO SEVIDENCE WL
PHYSICAL DESCRIPTION:  Orange boson trablet  '7: pb	Gross Wt():  Gross Wt():  Pkg. Wt:  Net Wt: 〇 - 〇 63 〇
PRELIMINARY TESTS Spot Tests  Cobalt Thiocyanate ( -) -  Marquis + (pape)  Froehde's + papel	Microcrystalline Tests  Gold Chloride  TLTA ( )
Mecke's	OTHER TESTS
RESULTS Bypensiane  DATE 09-2-10	RESULTS Buggeror of the MS OPERATOR 970

Revised 7/2005

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
====		Data		=======	========	=======
. 1	Vial 1		SCREEN	1	Sample	1
2	Vial 2		SCREEN	1	Sample	1
3	Vial 3		SCREEN	1	Sample	1
4	Vial 4		SCREEN	1	Sample	1 .
5	Vial 5		SCREEN	1	Sample	1
6	Vial 6		SCREEN	1	Sample	1
7	Vial 7		SCREEN	1	Sample	1 .
8	Vial 8		SCREEN	1	Sample	1
9	Vial 9		SCREEN	1	Sample	1
10	Vial 10		SCREEN	1	Sample	1
11	Vial 11		SCREEN	1	Sample	1
12	Vial 12		SCREEN	1	Sample	1
13	Vial 13		SCREEN	1	Sample	1
14	Vial 14		SCREEN	1	Sample	1 PSP 1 9-3-10
15	Vial 15		SCREEN	1	Sample	1 9-3-10
16	Vial 16		SCREEN	1.	Sample	1
17	Vial 17		SCREEN	1	Sample	1
18	Vial 18		SCREEN	1	Sample	1
19	Vial 19		SCREEN	1	Sample	1
20	Vial 20		SCREEN	1	Sample	1
21	Vial 21		SCREEN	1	Sample	1
22	Vial 22		SCREEN	1	Sample	1
23	Vial 23		SCREEN ,	1	Sample	1

Sequence Table (Back Injector):

CHEM32/1/DATA/001F0101.D Seq. Line: 1 Instrument : DrugLab GC #2 Location : Vial 1 Inj: 1Inj Volume : 1  $\mu$ l sequence File : C:\Chem32\1\SEQUENCE\DEF\_GC.S Method : 7/27/2010 2:36:10 PM Last changed FID1 A. (001F0101.D) pA ] 450 -400 -350 -300 250 200 -150 100 -50 -0 min

### Area Percent Report

Sorted By : Retention Time Multiplier: : 1.0000 Dilution: : 1.0000

Sample Amount: : 1.00000 [ng/ul] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Totals: 6.03251e4 6.52364e4

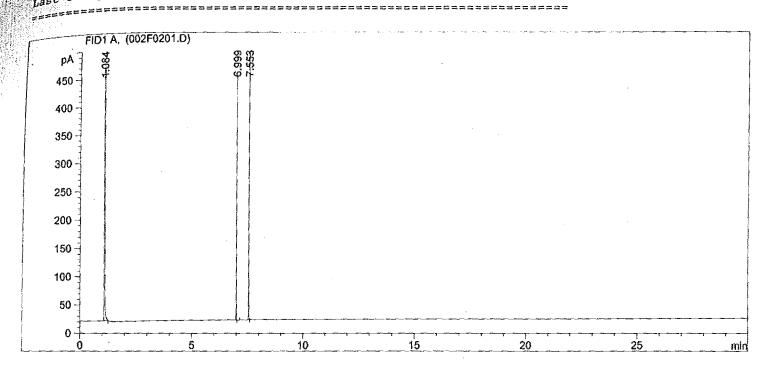
CHEM32\1\DATA\002F0201.D COKE/CODEINE STD

Seq. Line: 2 Instrument : DrugLab GC #2 Location : Vial 2 Inj : 1

Acq: 1100 Date : 9/2/2010 1:59:13 PM jajection Date Inj Volume : 1  $\mu$ l

sequence File : C:\Chem32\1\SEQUENCE\DEF\_GC.S : C:\CHEM32\1\METHODS\SCREEN.M Method

Last changed : 7/27/2010 2:36:10 PM



#### Area Percent Report

Sorted By Retention Time Multiplier: 1.0000 Dilution: 1.0000

Sample Amount: 1.00000 [ng/ul] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

#		_		[pA*s]		
	~~		~			
1	1.084	1	BB S	6.02718e4	6.30283e4	98.78673
2	6.999	1	BB	330.25714	430.01123	0.54130
3	7,553	1.	BB	409.98254	481,00000	0.67197

Totals : 6.10121e4 6.39393e4

Seq. Line: 13

; DrugLab GC #2

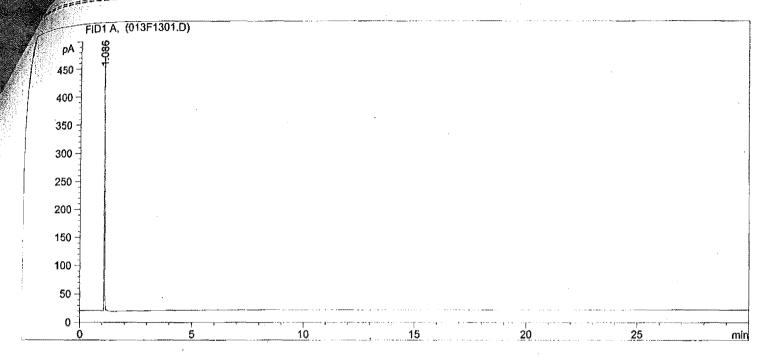
Location : Vial 13 Inj: 1

: 9/2/2010 8:24:50 PM

Inj Volume : 1  $\mu$ l

: C:\Chem32\1\SEQUENCE\DEF GC.S : C:\CHEM32\1\METHODS\SCREEN.M

: 7/27/2010 2:36:10 PM



#### Area Percent Report

Sorted By Retention Time Multiplier: : 1.0000 Dilution: 1.0000

Sample Amount: 1.00000 [ng/ul] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type Area Height Area [pA] [pA\*s] \*\*\*\* | \*\*\*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\*

1 1.086 1 BB S 6.49690e4 6.94284e4 1.000e2

Totals : 6.49690e4 6.94284e4

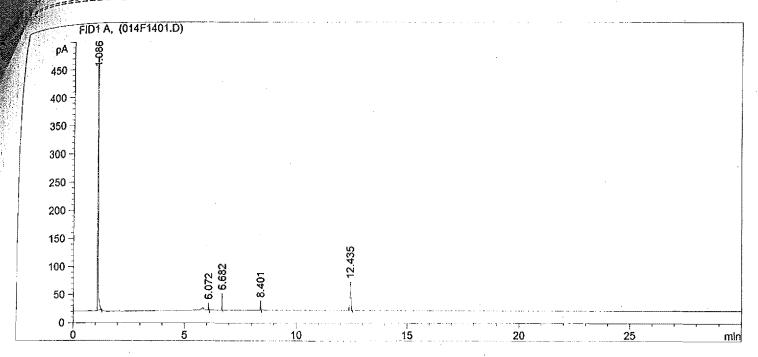
Seq. Line : trument : DrugLab GC #2 Location: Vial 14

pate : 9/2/2010 8:59:55 PM Inj: Inj Volume : 1  $\mu$ l

: C:\Chem32\1\SEQUENCE\DEF GC.S

: C:\CHEM32\1\METHODS\SCREEN.M

: 7/27/2010 2:36:10 PM



# Area Percent Report

Sorted By Retention Time Multiplier: 1.0000 ; Dilution: 1.0000

Sample Amount: 1.00000 [ng/ul] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

## Signal 1: FID1 A,

Peak #	RetTime [min]	_		Area [pA*s]	Height [pA]	Area %
1	1.086	1	BB S	6.57594e4	7.002 <b>9</b> 0e4	99.64304
2	6.072	1	BB	16.08466	13.49150	0.02437
3	6.682	1	BB	26.91865	30.55196	0.04079
4	8.401	1	BB	20.98379	16.47485	0.03180
5	12.435	1	BB	171.58737	51.03241	0.26000

Totals : 6.59949e4 7.01405e4

<u>~?.</u>p.,n

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\09 03 10\741805.D

Operator : P.PIRO

Date Acquired : 3 Sep 2010 14:43

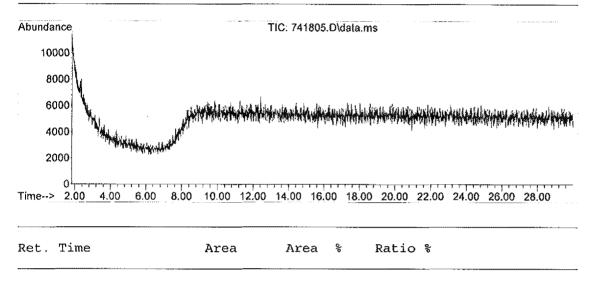
Sample Name : BLANK

Submitted by

Vial Number :

AcquisitionMeth: WSCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741806.D

Operator : P.PIRO

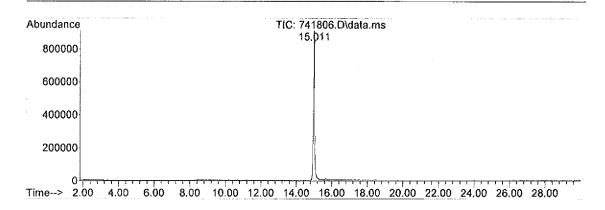
Date Acquired : 3 Sep 2010 15:17 Sample Name : BUPRENORPHINE STD

Submitted by

Vial Number : 6

AcquisitionMeth: WSCREEN.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
15.011	4454545	100.00	100.00

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741806.D

Operator : P.PIRO

Date Acquired : 3 Sep 2010 15:17 Sample Name : BUPRENORPHINE STD

Submitted by :

Vial Number : 6

AcquisitionMeth: WSCREEN.M

Integrator : RTE

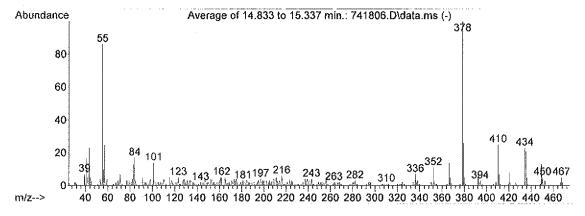
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

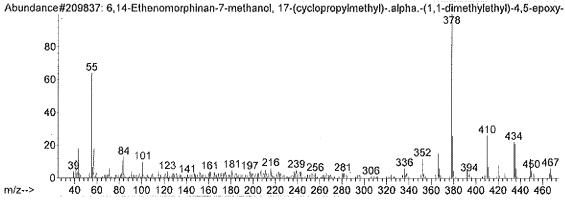
C:\Database\NIST08.L

C:\Database\PMW TOX2.L

J	PK#	RT	Library/ID		CAS#	Qual
	1	15.01	C:\Database\NIST08.L	•		
			6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
			6.14-Ethenomorphinan-7-methanol.	17	052485-79-7	99

6,14-Ethenomorphinan-7-methanol, 17 052485-79-7





Minimum Quality: 80

96

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741832.D

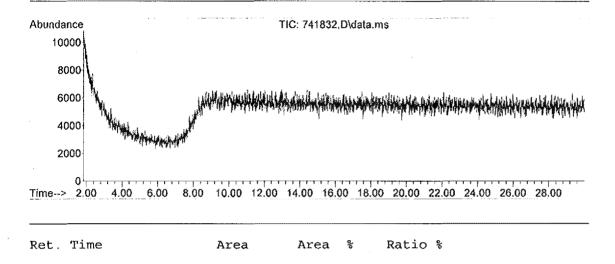
Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:04

Sample Name : BLANK Submitted by : ASD Vial Number : 1

AcquisitionMeth: WSCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

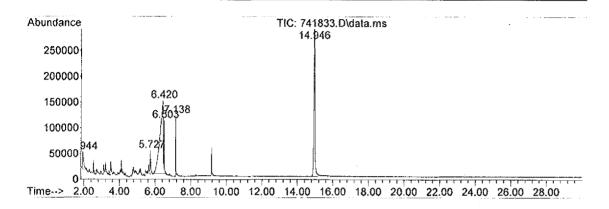
Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:38

Sample Name : Submitted by : ASD

Vial Number : 33 AcquisitionMeth: WSCREEN.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
1.944	153590	4.35	8.67	
5.727	119049	3.37	6.72	
6.420	1771473	50.20	100.00	
6.503	116256	3.29	6.56	
7.138	144713	4.10	8.17	
14.946	1223403	34.67	69.06	

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:38

Sample Name : Submitted by :

Submitted by : ASD Vial Number : 33

AcquisitionMeth: WSCREEN.M

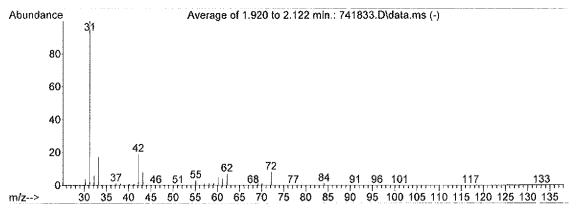
Integrator : RTE

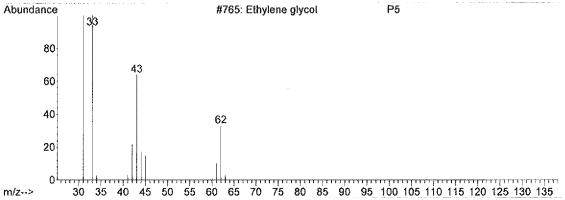
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.94	C:\Database\PMW_TOX2.L Ethylene glycol Propranolol -H2O AC Propranolol-M -H2O isomer-2 2AC	000107-21-1 000000-00-0 000000-00-0	5 1 1





Minimum Quality: 80

File Name : C:\msdchem\1\data\SYSTEM6\09 03 10\741833.D

Operator P.PIRO

Date Acquired 4 Sep 2010 6:38

Sample Name Submitted by ASD Vial Number 33

AcquisitionMeth: WSCREEN.M

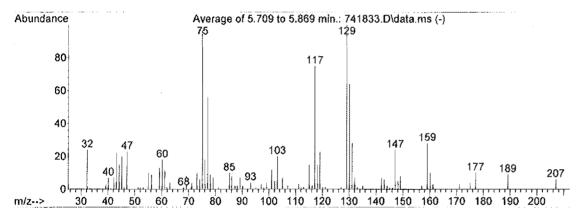
Integrator : RTE

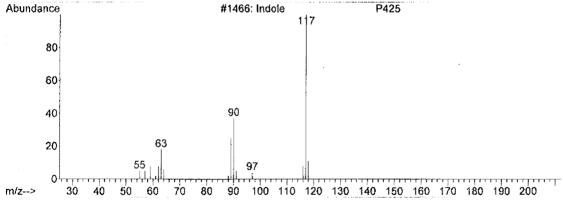
Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	5.73	C:\Database\PMW TOX2.L		
		Indole	000120-72-9	7
		Tolazamide artifact-1 2ME	000000-00-0	4
		Vinyltoluene	000611-15-4	2





File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:38

Sample Name : Submitted by : ASD Vial Number : 33

AcquisitionMeth: WSCREEN.M

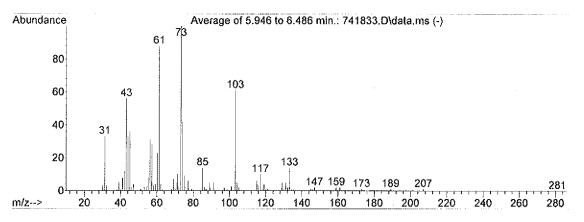
Integrator : RTE

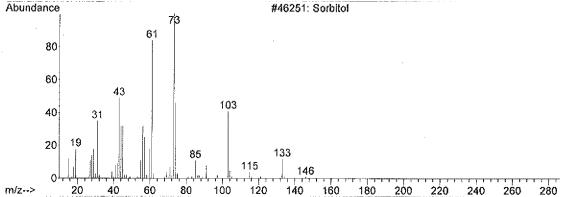
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	6.42	C:\Database\NIST08.L		
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	86
		D-Mannitol	000069-65-8	86





File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

Operator : P.PIRO

Date Acquired 4 Sep 2010 6:38

Sample Name Submitted by

: ASD Vial Number 33

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

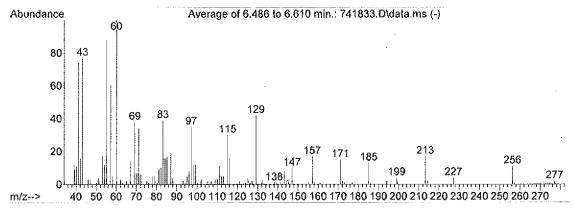
C:\Database\PMW\_TOX2.L

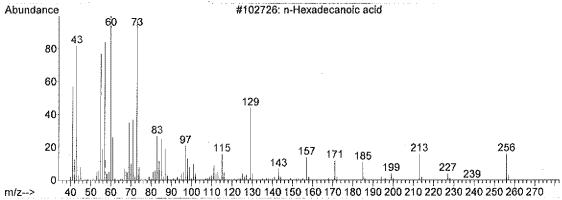
PK# RTLibrary/ID CAS# Qual

C:\Database\NIST08.L 6.50

n-Hexadecanoic acid 000057-10-3 94 5-Acetoxypentadecane 1000245-62-3 27

Hydrazinecarbothioamide, 2-(2-thien 005351-91-7 22





File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:38

Sample Name : Submitted by : ASD Vial Number : 33

AcquisitionMeth: WSCREEN.M

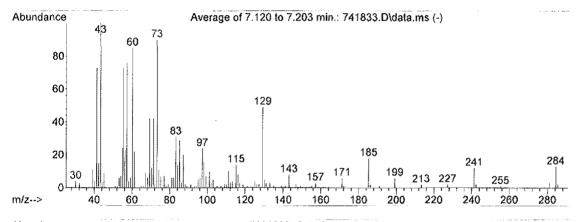
Integrator : RTE

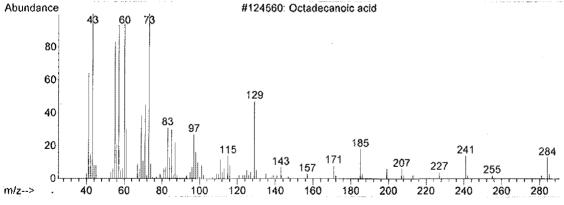
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
 5	7.14	C:\Database\NIST08.L Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	96





File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741833.D

Operator : P.PIRO

Date Acquired : 4 Sep 2010 6:38

33

Sample Name : Submitted by : ASD

Vial Number

AcquisitionMeth: WSCREEN, M

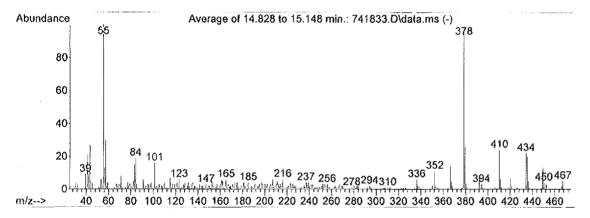
Integrator : RTE

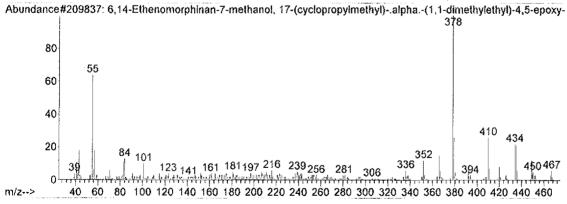
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK#	RT	Library/ID		CAS#	Qual
 6	14.95	C:\Database\NIST08.L	, , , , , , , , , , , , , , , , , , , ,		
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	97





Minimum Quality: 80

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741838.D

Operator : P.PIRO

Date Acquired: 4 Sep 2010 9:29

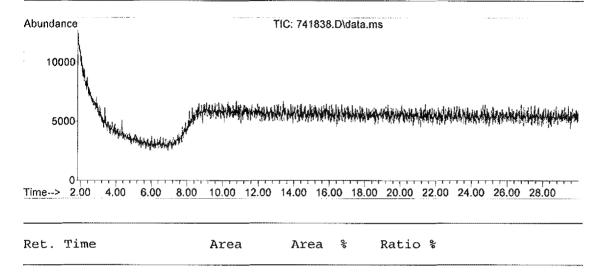
Sample Name : BLANK

Submitted by :

Vial Number :

AcquisitionMeth: WSCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\data\SYSTEM6\09\_03\_10\741839.D

Operator : P.PIRO

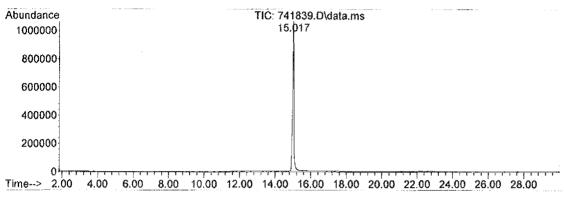
Date Acquired : 4 Sep 2010 10:03 Sample Name : BUPRENORPHINE STD

Submitted by

Vial Number : 6

AcquisitionMeth: WSCREEN.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
15.017	5485251	100.00	100.00	

File Name : C:\msdchem\1\data\SYSTEM6\09 03 10\741839.D

Operator P.PIRO

Date Acquired 4 Sep 2010 10:03 Sample Name BUPRENORPHINE STD

Submitted by Vial Number

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	15.02	C:\Database\NIST08.L			***************************************
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6 14-Ethenomorphinan-7-methanol	17	052495707	96

